

26/51 WPAM - (C) Derwent

AN - 1984-010283 [02]

XA - C1984-004567

TI - Preparing calcium alkylbenzene sulphonate - involves neutralisation of corresp. acid with stoichiometric or excess amt. of calcium hydroxide

DC - E12

PA - (GERS/) GERSHENOBICH A I

IN - ERMOLAEV VE; GERSHENOV I AI; ILIN BA

NP - 1

NC - 1

PN - SU1002288 A 19830630 DW1984-02 4p *

AP: 1981SU-3309227 19810630

PR - 1981SU-3309277 19810630; 1981SU-3309227 19810630

AB - SU1002288 A

Prepn. of calcium alkylbenzene sulphonate (e.g. for mfr. of synthetic hide and toxic chemicals) is simplified by: using $\text{Ca}(\text{OH})_2$ in a stoichiometric amt. or up to 10% excess; neutralising in a column-type reactor with circulating contours for air addn. making possible separate removal of liq. and solid phases from the reaction zone; treating the solid phase (before the filtration stage) with low molecular alcohol in wt. ratio (5-20):1. As previously, the process involves neutralisation of alkylbenzene sulphonic acid with $\text{Ca}(\text{OH})_2$ in presence of lowow mol. alcohol before subsequent sepn. of final prod. by filtn. and evapn.

- Typically, the proposed method allows fuller utilisation of $\text{Ca}(\text{OH})_2$ and automation of the process and reduces the number of filtration operations. During the circulation, the solid phase is converted into large particles to facilitate subsequent filtration. The prod. is of lighter colour and does not give settling out on storage. This improves the quality of hides and toxic chemical emulsions.

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- (4pp Dwg.No.0/0)